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|------------|--------------|----------------|-----------------------------------|----------------|------------|---------------|
| 10/044,436 | Filing Date: | Priority Date: | US Domestic Priority 119(e) Date: | INVENTOR NAME: | FOUJAY IS: | Paper Number: |
| 10044436 | 14-Jan-02 | NONE | NONE | CARR et al. | 14-Mar-03 | |

10044436 MICROMACHINED PYROOPTICAL STRUCTURE

| Type | Hits | Search Text | DBs | Time Stamp | Comments |
|------|------|---|-------|---------------|--|
| IS&R | 11 | ((("4,594,507") or ("5,512,748") or ("6,087,661") or ("5,949,071") or ("4,751,387") or ("4,994,672") or ("4,262,198") or ("5,100,218") or ("5,781,331") or ("6,091,050") or ("5,486,698"))).PN. | USPAT | 3/13/03 18:14 | CITED BY APPLICANT in IDS#6 |
| BRS | 3 | 08/787,281 | USPAT | 3/13/03 18:46 | cited in CARR uspat 6019050 finds US 5796152 A |

| Type | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|------|-----|------|---|-------|---------------|------------------|
| BRS | L1 | 526 | pyro\$1optic or pyro\$1optical or thermo\$1optic or thermal\$1optic | USPAT | 3/13/03 18:46 | |
| BRS | L2 | 4197 | fabry\$1perot | USPAT | 3/13/03 18:46 | |
| BRS | L3 | 87 | 1 and 2 | USPAT | 3/13/03 18:47 | |
| IS&R | L4 | 1108 | (250/338.1).CCLS. | USPAT | 3/13/03 18:49 | |
| BRS | L5 | 0 | 1 and 2 and 4 | USPAT | 3/13/03 18:48 | |
| IS&R | L6 | 1512 | (250/330-334).CCLS. | USPAT | 3/13/03 18:48 | |
| BRS | L7 | 0 | 1 and 2 and 6 | USPAT | 3/13/03 18:49 | |
| IS&R | L8 | 5950 | (250/338.1-354.1).CCLS. | USPAT | 3/13/03 18:49 | |
| BRS | L9 | 0 | 1 and 2 and 8 | USPAT | 3/13/03 18:49 | |
| BRS | L11 | 78 | (6 or 8) and 2 | USPAT | 3/13/03 18:50 | look at tomorrow |
| BRS | L10 | 11 | (6 or 8) and 1 | USPAT | 3/13/03 18:50 | look at tomorrow |

| Type | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|------|-----|------|---|-------|---------------|---|
| IS&R | L15 | 11 | ((("4,594,507") or ("5,512,748") or ("6,087,661") or ("5,949,071") or ("4,751,387") or ("4,994,672") or ("4,262,198") or ("5,100,218") or ("5,781,331") or ("6,091,050") or ("5,486,698"))).PN. | USPAT | 3/14/03 13:47 | already considered (IDS) |
| BRS | L16 | 11 | ((((250/330-334).CCLS.) or ((250/338.1-354.1).CCLS.)) and (pyro\$1optic or pyro\$1optical or thermo\$1optic or thermal\$1optic) | USPAT | 3/14/03 13:48 | already considered (T1) |
| BRS | L17 | 78 | ((((250/330-334).CCLS.) or ((250/338.1-354.1).CCLS.)) and fabry\$1perot not 15 not 16 | USPAT | 3/14/03 13:49 | |
| BRS | L18 | 78 | ((((250/330-334).CCLS.) or ((250/338.1-354.1).CCLS.)) and fabry\$1perot not 15 not 16 | USPAT | 3/14/03 13:49 | There is no overlap with the previous two groups... |
| BRS | L19 | 78 | ((((250/330-334).CCLS.) or ((250/338.1-354.1).CCLS.)) and fabry\$1perot | USPAT | 3/14/03 13:51 | Browsed these - printed some... |
| IS&R | L20 | 1108 | (250/338.1).CCLS. | USPAT | 3/14/03 14:28 | |
| IS&R | L21 | 696 | (250/332).CCLS. | USPAT | 3/14/03 14:29 | |
| IS&R | L22 | 256 | (356/519).CCLS. | USPAT | 3/14/03 14:29 | |
| BRS | L23 | 3 | 22 and 20 | USPAT | 3/14/03 14:31 | browsed... |
| BRS | L24 | 0 | 22 and 21 | USPAT | 3/14/03 14:31 | |
| BRS | L25 | 8 | ((((250/330-334).CCLS.) or ((250/338.1-354.1).CCLS.)) and 22 | USPAT | 3/14/03 14:32 | browsed... |

| Type | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|------|-----|------|-------------------|-------|---------------|---|
| IS&R | L3 | 249 | (250/351).CCLS. | USPAT | 3/14/03 16:39 | chopper subclass in 250 |
| IS&R | L4 | 696 | (250/332).CCLS. | USPAT | 3/14/03 16:39 | |
| IS&R | L5 | 1108 | (250/338.1).CCLS. | USPAT | 3/14/03 16:39 | |
| BRS | L7 | 0 | 5 and 4 and 3 | USPAT | 3/14/03 16:40 | |
| IS&R | L11 | 256 | (356/519).CCLS. | USPAT | 3/14/03 16:41 | chopper subclass in 356 |
| BRS | L13 | 0 | 4 and 11 | USPAT | 3/14/03 16:41 | |
| BRS | L14 | 0 | 3 and 11 | USPAT | 3/14/03 16:41 | |
| BRS | L12 | 3 | 5 and 11 | USPAT | 3/14/03 16:41 | already considered... |
| BRS | L10 | 12 | 4 and 3 | USPAT | 3/14/03 16:42 | browsed - chopper - tag one with vacuum chamber / inert gas compartment |
| BRS | L9 | 25 | 5 and 3 | USPAT | 3/14/03 16:59 | check coincidence of IR responsive and choppers - tagged one with bimorph chopper... 4485305 |
| BRS | L8 | 90 | 5 and 4 | USPAT | 3/14/03 17:06 | check coincidence of IR responsive and detector array -- look for shared support posts of pixel platforms |

| Type | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|------|-----|------|------------------------------------|-------|---------------|----------------------|
| BRS | L16 | 500 | 5 and (mirror or reflect\$3) | USPAT | 3/14/03 18:15 | |
| BRS | L17 | 125 | 5 and (fizeau or cavity) | USPAT | 3/14/03 18:16 | |
| BRS | L18 | 128 | 5 and (fizeau or etalon or cavity) | USPAT | 3/14/03 18:16 | |
| BRS | L19 | 531 | 16 or 18 | USPAT | 3/14/03 18:17 | |
| BRS | L20 | 97 | 16 and 18 | USPAT | 3/14/03 18:19 | browsed - print some |

| Type | L# | Hits | Search Text | DBs | Time Stamp | Comments |
|------|-----|------|---|-------|---------------|--|
| BRS | L21 | 1714 | 4 or 5 | USPAT | 3/14/03 18:33 | |
| BRS | L22 | 35 | 21 and ((share or shared or common) with (post\$1 or support\$1)) | USPAT | 3/14/03 18:35 | print three having common supports or posts... |